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IV. *Part of a Letter of Mr. Halley, Dated Chester, Octob. 25. 1697. giving an Account of his Observations there of the Eclipse of the Moon on the 19th of the last Month.*

I Observed the late Eclipse of the Moon, *Octob. 19.* with all the Satisfaction I could desire, the Air was all the while very still and clear ; so that I think the Observation may be very much depended on, and will with sufficient Exactness, give the Longitude of this Place.

| | | Emerfions. | h ' " |
|-------------------------------------|----------------------|--|----------------------|
| | h | <i>Porphyrites</i> and the } Middle of M. } | 8. 7. 00 |
| The Beginning. | 6. 8 $\frac{1}{2}$ | <i>Ætna.</i> | |
| <i>Porphyrites</i> imerged. | 6. 16 | | |
| North Part of } <i>Mæotis.</i> } | 6. 21 $\frac{1}{2}$ | <i>Horminusus.</i> | 8. 17. 30 |
| <i>Lacus Niger Major</i> } | | <i>Mons Herculis.</i> | 8. 18. 30 |
| and South End } | 6. 26 | <i>Besbicus.</i> | 8. 21. 00 |
| of <i>Mæotis.</i> } | | <i>Apollonia.</i> | 8. 26. 15 |
| <i>Besbicus.</i> | 6. 46 $\frac{2}{3}$ | <i>Byzantium.</i> | 8. 29. 0 |
| <i>Apollonia.</i> | 6. 49 $\frac{1}{2}$ | <i>Lacus Niger Major.</i> | 8. 32. $\frac{1}{2}$ |
| <i>Byzantium.</i> | 6. 53 | S. Part of <i>Mæotis.</i> | 8. 35. |
| <i>Horminusus.</i> | 6. 59 | N. Part of <i>Mæotis.</i> | 8. 43. |
| N. Part of <i>Mæolis.</i> | 7. 2 $\frac{1}{2}$ | The End. | 8. 49. $\frac{1}{2}$ |
| <i>Mons Corax.</i> | 7. 3 $\frac{1}{2}$ | About the Middle there re- | |
| <i>Mons Herculis.</i> | 7. 10 | mained 9'.26". of the Lumi- | |
| S. Part of <i>Mæotis.</i> | 7. 12. $\frac{1}{2}$ | nous Part, and consequent- | |
| | | ly the Digit. Eclipsed, 8 $\frac{2}{3}$. | |

Additio